

**FORM PTO-1449** U.S. Department of  
Commerce (Rev. 4/92) Patent and Trademark

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500.43348X00

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APPLICANT

W. ITO, et al

FILING DATE

December 17, 2003

GROUP

Unassigned

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE | NAME           | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|-----------------|------|----------------|-------|----------|-------------------------------|
| AK                  | 5 7 5 7 2 8 7   | 5/98 | Kitamura et al | 340   | 937      |                               |
| AK                  | 6 0 7 5 5 5 7   | 6/00 | Holliman et al | 348   | 51       |                               |
|                     |                 |      |                |       |          |                               |
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|                     |                 |      |                |       |          |                               |
|                     |                 |      |                |       |          |                               |

**FOREIGN PATENT DOCUMENTS**

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | ABSTRACT |
|-----------------|------|---------|-------|----------|----------|
|                 |      |         |       |          | YES NO   |
| 1 0 1 3 8 2 1   | 1/98 | Japan   |       |          |          |
|                 |      |         |       |          |          |
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|                 |      |         |       |          |          |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

|    |  |
|----|--|
| AK | H. Tamura, "Introduction to Computer Image Processing", Soken Publishing Co., pp. 118-125 and 149-153, 1985. |
|    |  |
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EXAMINER

A. RAO

DATE CONSIDERED

10/24/06

**EXAMINER:** Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

W1235-01EU

INFORMATION UNDER 37 CFR 1.56(a)

(For Initial Filing)

The following references are submitted as information  
to comply with the duty of disclosure under 37 CFR 1.56(a):

| References  | Disclosed in the specification? |    | Copy                  |        |          | Translation |                |
|---|---------------------------------|----|-----------------------|--------|----------|-------------|----------------|
|   | Yes                             | No | Enc.                  | Follow | Not-enc. | Enc.        | Not avail-able |
| 1. "Digital Picture Processing" published by ACADEMIC PRESS pp. 296-303, 1976 | <input type="radio"/>           |    | <input type="radio"/> |        |          |             |                |
| 2. U.S. Patent No. 5,554,983  | <input type="radio"/>           |    | X                     |        |          |             |                |
| 3. U.S. patent application Serial No. 09/592,996 filed June 13, 2000          |                                 |    | X                     |        |          |             |                |
| 4.  |                                 |    |                       |        |          |             |                |
| 5.  |                                 |    |                       |        |          |             |                |
| 6.  |                                 |    |                       |        |          |             |                |
| 7.  |                                 |    |                       |        |          |             |                |
| 8.  |                                 |    |                       |        |          |             |                |
| 9.  |                                 |    |                       |        |          |             |                |
| 10.   |                                 |    |                       |        |          |             |                |

A. RAO

10/23/06